

ABSTRACT

A navigation system with a portable heads up display (HUD). The HUD comprises a housing rotably mounted on a stand. The housing holds a device for generating an image that can be projected onto a vehicle windshield, for example a vacuum fluorescent display (VFD) module. Preferably, the 5 navigation system is a NavMate® Navigation System from Visteon Technologies LLC, and the HUD is operatively connected to the navigation system by a high speed serial interface, for example an RS232 interface. An exemplary HUD includes a microcontroller, frame buffer, and a graphic display module. A preferred image generator is a Futaba GP1045A02A 10 graphic display module.